

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 7-80) PATENT AND TRADEMARK OFFICE**LIST OF PRIOR ART
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Atty. Docket No. (Optional)

13164A

Application Number

10/090,887

Applicant(s)

Benjamin E. Reubinoff, et al.

Filing Date

March 5, 2002

Group Art Unit

1636

1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


94		Bongso, A., et al. (1994) "The Growth of Inner Cell Mass Cells From Human Blastocysts", <u>Meriogenology</u> 41:167 (Abstract XP000613214)
7		Pera, M. F., et al. (1999) "Human Embryonic Stem Cells", <u>Journal of Cell Science</u> 113:5-10
		Reubinoff, B. E., et al. (2000) "Embryonic stem cell lines from human blastocysts: somatic differentiation in vitro", <u>Nature Biotechnology</u> 18:399-404

EXAMINER

DATE CONSIDERED

7/28/04

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EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)	
JW	AA	5,843,780	1/1996	Thomson			
	AB	6,280,718B1	1/1999	Kaufman, et al.			
	AC	6,200,806B1	6/1998	Thomson			
	AD						

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					YES	NO	
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AN							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
JW	AP Pirty, M., et al., "Embryonic Stem Cells, Creating Transgenic Animals", <u>Methods in Cell Biology</u> , Academic Press, pages 279-293
	AR Shablott, M. J., et al., (1998) "Derivation of pluripotent stem cells from cultured human primordial germ cells", <u>Proc. Natl. Acad. Sci.</u> , 95:13726-13731
	AS Svendsen, C. N., et al., (1999) "New prospects for human stem-cell therapy in the nervous system", <u>Trends in Neurosciences</u> , 22(8):357-364
	AT Thomson, J. A., et al., (1998) "Embryonic stem Cell Lines Derived From Human Blastocysts", <u>Science</u> , 282:1145-1147

EXAMINER <u>Joe Winters</u>	DATE CONSIDERED <u>2/28/04</u>
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<i>ju</i>	AC	WO96/22362	7/25/96	PCT				
	AD	WO98/43679	10/8/98	PCT				
	AE	WO97/32033	9/4/97	PCT				

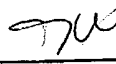
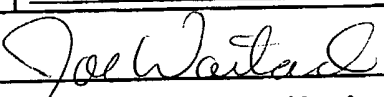
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ju</i>	AF	Evans, M. J., et al., (1981) "Establishment in culture of pluripotential cells from mouse embryos", <u>Nature</u> 292:154-156;
	AG	Martin, G. R., (1981) "Isolation of a pluripotent cell line from early mouse embryos cultured in medium conditioned by teratocarcinoma stem cells", <u>Proc. Natl. Acad. Sci USA</u> 78(12):7634-7638;
	AH	Andrews, P. W., et al. (1984) "Pluripotent Embryonal Carcinoma Clones Derived from the Human Teratocarcinoma Cell Line Tera-2", <u>Lab. Invest.</u> 50(2):147-162;
	AI	Pera, M. F., et al. (1989) "Isolation and characterization of a multipotent clone of human embryonal carcinoma-cells", <u>Differentiation</u> 42:10-23;
	AJ	Thomson, J. A., et al. (1995) "Isolation of a primate embryonic stem cell line", <u>Proc. Natl. Acad. Sci USA</u> 92:7844-7848;
	AK	Thomson, J. A., et al. (1996) "Pluripotent Cell Lines Derived from Common Marmoset (<i>Callithrix jacchus</i>) Blastocysts", <u>Bio Reprod.</u> 55:254-259;

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	AP	Bongso, A., et al. (1994) "Isolation and culture of inner cell mass cells from human blastocysts", <u>Hum. Reprod.</u> <u>9(11)</u> :2110-2117;					
	AQ	Andrews, P. W., et al. (1996) "Comparative analysis of cell surface antigens expressed by cell-lines derived from human germ cell tumours", <u>Int.J.Cancer</u> <u>66</u> :806-816;					
	AR	Cooper, S., et al. (1992) "A novel keratan sulfate proteoglycan from a human embryonal carcinoma cell line", <u>Biochem.J.</u> <u>286</u> :959-966;					
	AS	Pera, M. F., et al. (1988) "Analysis of cell-differentiation lineage in human teratomas using new monoclonal antibodies to cytostructural antigens of embryonal carcinoma cells", <u>Differentiation</u> <u>39</u> :139-149;					
	AT	Fong, C. Y., et al. (1998) "Comparison of human blastulation rates and total cell number in sequential culture media with and without co-culture", <u>Hum. Reprod.</u> <u>14(3)</u> :774-781;					
	AU	Fong, C. Y., et al. (1997) "Ongoing normal pregnancy after transfer of zona-free blastocysts: implications for embryo transfer in the human", <u>Hum. Reprod.</u> <u>12(3)</u> :557-560;					
	AV	Solter, D., et al. (1975) "Immunosurgery of mouse blastocyst", <u>Proc. Natl Acad Sci USA</u> <u>72(12)</u> :5099-5102;					
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96	AA	Vajta, G., et al. (1998) "Open Pulled Straw (OPS) Vitrification: A New Way to Reduce Cryoinjuries of Bovine Ova and Embryos", <u>Molecular Reproduction and Development</u> 51:53-58;
	AB	Vajta, G., et al. (1998) "Sterile application of the opened pulled straw (OPS) vitrification method", <u>Cryo-letters</u> 19:389-392;
	AC	Kleinsmith, L. J., et al. (1964) "Multipotentiality of Single Embryonal Carcinoma Cells", <u>The University of Michigan</u> 24:1544-1551;
	AD	Stevens, L. C. (1983) "Testicular, ovarian, and embryo-derived teratomas", <u>Cancer Surveys</u> 2(1):75-91;
	AE	Martin, G. R. (1980) "Teratocarcinomas and Mammalian Embryogenesis", <u>Science</u> 209:768-776;
	AF	Matsui, Y., et al. (1992) "Derivation of Pluripotential Embryonic Stem Cells from Murine Primordial Germ Cells in Culture", <u>Cell</u> 70:841-847;
	AG	Thompson, S., et al. (1984) "Cloned human teratoma cells differentiate into neuron-like cells and other cell types in retinoic acid", <u>F. Cell Sci.</u> 72:37-64;

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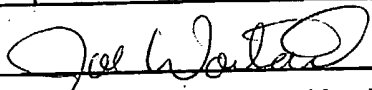
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94	AA	Odorico, J.S., et al., Stem Cells, "Multilineage Differentiation from Human Embryonic Stem Cell Lines", 2001; 19:193-204;
	AB	Cruz, Y.P., et al., Animal Applications of Research in Mammalian Development, "Origin of Embryonic and Extraembryonic Cell Lineages in Mammalian Embryos," pp. 147-204
	AC	Thomson, J.A., et al., TIBTECH, "Human embryonic stem cell and embryonic germ cell lines," Feb. 2000, Vol. 18, pp. 53-57
	AD	Nichols, J., et al., Development, "Establishment of germ-line-competent embryonic stem (ES) cells using differentiation inhibiting activity," 1990, 110, pp. 1341-1348
	AE	Clark, A.J., et al., Transgenic Animals, "Germ line manipulation: applications in agriculture and biotechnology," pp. 249-250
	AF	Piedrahita, J.A., et al., Theriogenology, "On the isolation of Embryonic Stem Cells: Comparative Behavior of Murine, Porcine and Ovine Embryos," Nov. 1990, Vol. 34, No. 5, pp. 879-901
	AG	

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